BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/05/2020-21 Dated: 03-09-2020

APPROVED TENDER SCHEDULE –'B'

Item:1

Name of Work :-Construction of additional class rooms and compound wall at Govt. Higher primary school (Bangala school) at Yelahanka old town in Kempegowda ward no:01

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor	
				Rate	Rate in Words
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. Complete as per specifications and the directions of the Engineer-in-charge	cum	55.40	1928.79	One Thousand Nine Hundred TwentyEight Paise SeventyNine Only
2	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete asper specifications Dismantling brick/Tile work Complete as per specifications and the directions of the Engineer-in-charge	Cum	129.20	484.79	Four Hundred EightyFour Paise SeventyNine Only
3	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms)Complete as per specifications and the directions of the Engineer-in-charge	Sqm	214.24	175.69	One Hundred SeventyFive Paise SixtyNine Only
4	.Dismantling plastering and removing the debris with a lead upto 200m.Complete as per specifications and the directions of the Engineer-in-charge	Sqm	616.57	43.16	FourtyThree Paise Sixteen Only
5	Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring and strutting, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavation earth to the extent required including the cost of labour & HOM of machineries, Complete as per specifications and the directions of the Engineer-in-charge	Cum	59.13	71.15	SeventyOne Paise Fifteen Only

6	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.	Cum	288.20	72.55	SeventyTwo Paise FiftyFive Only
7	Removing and Reinstalation of RO Plant(Data rate)	No	1.00	54000.00	FiftyFour Thousand Only
8	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods Complete as per specifications and the directions of the Engineer-in-charge	Cum	615.91	523.71	Five Hundred TwentyThree Paise SeventyOne Only
9	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. Complete as per specifications and the directions of the Engineer-in-charge	Cum	69.28	2833.19	Two Thousand Eight Hundred ThirtyThree Paise Nineteen Only
10	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing Complete as per specifications and the directions of the Engineer-in-charge	Cum	65.91	5950.97	Five Thousand Nine Hundred Fifty Paise NinetySeven Only
11	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing Complete as per specifications and the directions of the Engineer-in-charge	Cum	108.96	6324.22	Six Thousand Three Hundred TwentyFour Paise TwentyTwo Only
12	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge	Cum	92.97	5360.77	Five Thousand Three Hundred Sixty Paise SeventySeven Only
13	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour Complete as per specifications and the directions of the Engineer-in-charge	Cum	118.51	234.45	Two Hundred ThirtyFour Paise FourtyFive Only

14	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.Complete as per specifications and the directions of the Engineer-in-charge	Cum	497.40	72.46	SeventyTwo Paise FourtySix Only
15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Sqm	315.19	300.93	Three Hundred Paise NinetyThree Only
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Sqm	309.89	417.57	Four Hundred Seventeen Paise FiftySeven Only
17	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Sqm	324.89	531.88	Five Hundred ThirtyOne Paise EightyEight Only
18	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.Complete as per specifications and the directions of the Engineer-in-charge	Sqm	1140.61	466.56	Four Hundred SixtySix Paise FiftySix Only
19	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labourComplete as per specifications and the directions of the Engineer-in-charge	Sqm	50.91	880.63	Eight Hundred Eighty Paise SixtyThree Only
20	:Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Sqm	520.64	340.59	Three Hundred Fourty Paise FiftyNine Only
21	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Sqm	65.36	606.53	Six Hundred Six Paise FiftyThree Only

22	:Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc. , including edges including cost of all materials, labourComplete as per specifications and the directions of the Engineer-in-charge	Sqm	48.30	376.75	Three Hundred SeventySix Paise SeventyFive Only
23	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, Complete as per specifications and the directions of the Engineer-in-charge	Cum	252.54	6779.12	Six Thousand Seven Hundred SeventyNine Paise Twelve Only
24	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, Complete as per specifications and the directions of the Engineer-in-charge	Cum	25.77	7050.89	Seven Thousand Fifty Paise EightyNine Only

B.B. 9/6

25	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, Complete as per specifications and the directions of the Engineer-in-charge First Floor	Cum	24.85	7120.87	Seven Thousand One Hundred Twenty Paise EightySeven Only
26	Providing .and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, Complete as per specifications and the directions of the Engineer-in-charge Second Floor	Cum	3.57	7190.86	Seven Thousand One Hundred Ninety Paise EightySix Only
27	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Complete as per specifications and the directions of the Engineer-in-charge	Cum	259.02	6411.70	Six Thousand Four Hundred Eleven Paise Seventy Only

28	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, Complete as per specifications and the directions of the Engineer-in-charge	Sqm	18.36	578.53	Five Hundred SeventyEight Paise FiftyThree Only
29	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	18.36	584.37	Five Hundred EightyFour Paise ThirtySeven Only
30	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.5865cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, Complete as per specifications and the directions of the Engineer-in-charge Second Floor	Sqm	1.08	590.20	Five Hundred Ninety Paise Twenty Only
31	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery Complete as per specifications and the directions of the Engineer-in-charge	tonne	54.60	75127.82	SeventyFive Thousand One Hundred TwentySeven Paise EightyTwo Only

32	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery Complete as per specifications and the directions of the Engineer-in-charge First Floor	tonne	20.84	76000.29	SeventySix Thousand Paise TwentyNine Only
33	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery Complete as per specifications and the directions of the Engineer-in-charge Second Floor	tonne	1.68	76872.76	SeventySix Thousand Eight Hundred SeventyTwo Paise SeventySix Only
34	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., Complete as per specifications and the directions of the Engineer-in-charge	Sqm	506.28	1063.76	One Thousand SixtyThree Paise SeventySix Only
35	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005. including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	484.71	1104.58	One Thousand One Hundred Four Paise FiftyEight Only
36	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., Complete as per specifications and the directions of the Engineer-in-charge Second Floor	Sqm	61.71	1145.40	One Thousand One Hundred FourtyFive Paise Fourty Only

37	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., Complete as per specifications and the directions of the Engineer-in-charge	Sqm	201.84	945.95	Nine Hundred FourtyFive Paise NinetyFive Only
38	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	237.54	986.77	Nine Hundred EightySix Paise SeventySeven Only
39	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., Complete as per specifications and the directions of the Engineer-in-charge Second Floor	Sqm	117.60	1027.60	One Thousand TwentySeven Paise Sixty Only
40	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge	Sqm	756.14	304.43	Three Hundred Four Paise FourtyThree Only
41	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	807.69	318.43	Three Hundred Eighteen Paise FourtyThree Only

42	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge Second Floor	Sqm	309.99	332.42	Three Hundred ThirtyTwo Paise FourtyTwo Only
43	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge	Sqm	744.10	237.95	Two Hundred ThirtySeven Paise NinetyFive Only
44	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	694.34	244.94	Two Hundred FourtyFour Paise NinetyFour Only
45	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge Second Floor	Sqm	70.14	251.94	Two Hundred FiftyOne Paise NinetyFour Only
46	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, incldng cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge	Sqm	115.71	239.11	Two Hundred ThirtyNine Paise Eleven Only
47	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, incldng cost of materials, labour, curing Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	111.09	246.11	Two Hundred FourtySix Paise Eleven Only
48	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curingComplete as per specifications and the directions of the Engineer-in-charge	Sqm	508.29	262.44	Two Hundred SixtyTwo Paise FourtyFour Only

49	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curingComplete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	510.24	269.44	Two Hundred SixtyNine Paise FourtyFour Only
50	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curingComplete as per specifications and the directions of the Engineer-in-charge Second Floor	Sqm	25.90	276.44	Two Hundred SeventySix Paise FourtyFour Only
51	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,Complete as per specifications and the directions of the Engineer-in-charge	Sqm	2553.01	90.98	Ninety Paise NinetyEight Only
52	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour,Complete as per specifications and the directions of the Engineer-in-charge	Sqm	1508.58	104.98	One Hundred Four Paise NinetyEight Only
53	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof Complete as per specifications and the directions of the Engineer-in-charge	Sqm	1044.43	137.64	One Hundred ThirtySeven Paise SixtyFour Only
54	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, Complete as per specifications and the directions of the Engineer-in-charge	Sqm	774.50	396.58	Three Hundred NinetySix Paise FiftyEight Only

55	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	826.05	405.91	Four Hundred Five Paise NinetyOne Only
56	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, Complete as per specifications and the directions of the Engineer-in-charge Second Floor	Sqm	311.07	415.24	Four Hundred Fifteen Paise TwentyFour Only
57	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,Complete as per specifications and the directions of the Engineer-in-charge	Sqm	61.02	5197.48	Five Thousand One Hundred NinetySeven Paise FourtyEight Only
58	Providing and laying Hassan Green / River Pink granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3, average 20mm thick including full rounding for nosing , cutting 3 line grooves not more than 2 mm wide for antiskidding, including cost of all materials,mortar,labour,curing etc.,Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	61.02	5199.81	Five Thousand One Hundred NinetyNine Paise EightyOne Only
59	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, . labour, curing, Complete as per specifications and the directions of the Engineer-in-charge	Sqm	508.29	736.00	Seven Hundred ThirtySix Only

60	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	510.24	738.33	Seven Hundred ThirtyEight Paise ThirtyThree Only
61	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, Complete as per specifications and the directions of the Engineer-in-charge Second Floor	Sqm	25.90	740.66	Seven Hundred Fourty Paise SixtySix Only
62	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mmComplete as per specifications and the directions of the Engineer-in-charge	Sqm	481.73	2308.31	Two Thousand Three Hundred Eight Paise ThirtyOne Only
63	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mmComplete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	483.33	2310.64	Two Thousand Three Hundred Ten Paise SixtyFour Only

64	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mmComplete as per specifications and the directions of the Engineer-in-charge Second Floor	Sqm	25.90	2312.97	Two Thousand Three Hundred Twelve Paise NinetySeven Only
65	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-charge	Sqm	115.71	1903.56	One Thousand Nine Hundred Three Paise FiftySix Only
66	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	111.09	1905.90	One Thousand Nine Hundred Five Paise Ninety Only
67	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, Complete as per specifications and the directions of the Engineer-in-charge	Sqm	29.76	1411.34	One Thousand Four Hundred Eleven Paise ThirtyFour Only
68	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	30.10	1413.68	One Thousand Four Hundred Thirteen Paise SixtyEight Only

69	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded	Cum	571.45	1159.40	One Thousand One Hundred FiftyNine Paise Fourty Only
70	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-charge	Nos	17.00	1593.30	One Thousand Five Hundred NinetyThree Paise Thirty Only
71	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries Complete as per specifications and the directions of the Engineer-in-charge	Cum	1.97	102181.31	One Lakh Two Thousand One Hundred EightyOne Paise ThirtyOne Only
72	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries Complete as per specifications and the directions of the Engineer-in-charge	Sqm	21.42	5507.74	Five Thousand Five Hundred Seven Paise SeventyFour Only

73	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	17.64	5512.41	Five Thousand Five Hundred Twelve Paise FourtyOne Only
74	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries Complete as per specifications and the directions of the Engineer-in-charge Second Floor	Sqm	1.89	5517.07	Five Thousand Five Hundred Seventeen Paise Seven Only
75	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour,Complete as per specifications and the directions of the Engineer-in-charge	Sqm	43.34	113.14	One Hundred Thirteen Paise Fourteen Only
76	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Complete as per specifications and the directions of the Engineer-in-charge	m	28.50	524.88	Five Hundred TwentyFour Paise EightyEight Only

	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Complete as per specifications and the directions of the Engineer-in-charge First Floor	m	45.60	529.55	Five Hundred TwentyNine Paise FiftyFive Only
78	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame. Complete as per specifications and the directions of the Engineer-in-charge Second Floor	m	5.70	534.21	Five Hundred ThirtyFour Paise TwentyOne Only

B.1.7 E

79	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of	Sqm	7.88	4432.32	Four Thousand Four Hundred ThirtyTwo Paise ThirtyTwo Only
80	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to	Sqm	12.60	4436.99	Four Thousand Four Hundred ThirtySix Paise NinetyNine Only

	windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70	Sqm	48.60	5172.98	Five Thousand One Hundred SeventyTwo Paise NinetyEight Only
82	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade	Sqm	49.95	5179.98	Five Thousand One Hundred SeventyNine Paise NinetyEight Only

83	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade	Sqm	1.80	5186.98	Five Thousand One Hundred EightySix Paise NinetyEight Only
84	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery Complete as per specifications and the directions of the Engineer-in-charge	kg	1020.60	110.81	One Hundred Ten Paise EightyOne Only
85	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery Complete as per specifications and the directions of the Engineer-in-charge First Floor	kg	1048.95	117.81	One Hundred Seventeen Paise EightyOne Only
86	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery Complete as per specifications and the directions of the Engineer-in-charge Head Room	kg	35.66	124.80	One Hundred TwentyFour Paise Eighty Only

	compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., Complete as per specifications and the directions of the Engineer-in-charge	Sqm	62.10	6262.40	Six Thousand Two Hundred SixtyTwo Paise Fourty Only
	Providing and fixing M.S.Grill over existing compound wall as per, using 16mm x 16mm M.S.Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., Complete as per specifications and the directions of the Engineer-in-charge First floor	Sqm	71.30	6269.40	Six Thousand Two Hundred SixtyNine Paise Fourty Only
89	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, Complete as per specifications and the directions of the Engineer-in-charge	sqm	334.10	110.81	One Hundred Ten Paise EightyOne Only
90	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) Complete as per specifications and the directions of the Engineer-in-charge	cum	426.84	379.08	Three Hundred SeventyNine Paise Eight Only

	ailing as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow ipe welded to vertical hollow 50mm dia pipe of 6 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., Complete as per specifications and the directions of the Engineer-in-charge	Sqm	18.81	7022.89	Seven Thousand TwentyTwo Paise EightyNine Only
	Providing and fixing Stainless steel staircase railing as per Chief Architect Drawing No. 11520/ HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., Complete as per specifications and the directions of the Engineer-in-charge First Floor	Sqm	18.81	7029.89	Seven Thousand TwentyNine Paise EightyNine Only
93	Providing 20mm square M.S footrest and fixing in manhole Nos 232.00 with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curingComplete as per specifications and the directions of the Engineer-in-charge	No.s	4.00	321.93	Three Hundred TwentyOne Paise NinetyThree Only
94	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all Complete as per specifications and the directions of the Engineer-in-charge	Sqm	52.94	613.53	Six Hundred Thirteen Paise FiftyThree Only

95	Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Unit	6.00	3672.99	Three Thousand Six Hundred SeventyTwo Paise NinetyNine Only
96	Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Each	13.00	5780.68	Five Thousand Seven Hundred Eighty Paise SixtyEight Only
97	Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Unit	4.00	9416.35	Nine Thousand Four Hundred Sixteen Paise ThirtyFive Only
98	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour Complete as per specifications and the directions of the Engineer-in-charge	Unit	6.00	1325.03	One Thousand Three Hundred TwentyFive Paise Three Only
99	Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labourComplete as per specifications and the directions of the Engineer-in-charge	Unit	12.00	861.97	Eight Hundred SixtyOne Paise NinetySeven Only
100	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. Complete as per specifications and the directions of the Engineer-in-charge	Each	30.00	174.96	One Hundred SeventyFour Paise NinetySix Only

	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. Complete as per specifications and the directions of the Engineer-in-charge	m	90.00	506.22	Five Hundred Six Paise TwentyTwo Only
102	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. Complete as per specifications and the directions of the Engineer-in-charge	m	100.00	994.94	Nine Hundred NinetyFour Paise NinetyFour Only
103	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. Complete as per specifications and the directions of the Engineer-in-charge	Nos.	8.00	9902.74	Nine Thousand Nine Hundred Two Paise SeventyFour Only
104	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing Complete as per specifications and the directions of the Engineer-in-charge	Each	2.00	15928.36	Fifteen Thousand Nine Hundred TwentyEight Paise ThirtySix Only
105	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads Complete as per specifications and the directions of the Engineer-in-charge	Each	25.00	201.79	Two Hundred One Paise SeventyNine Only

	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leadsComplete as per specifications and the directions of the Engineer-in-charge	Each	20.00	164.46	One Hundred SixtyFour Paise FourtySix Only
	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads Complete as per specifications and the directions of the Engineer-in-charge	Each	4.00	391.91	Three Hundred NinetyOne Paise NinetyOne Only
108	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) Complete as per specifications and the directions of the Engineer-in-charge 20mm nominal OD pipes	m	80.00	274.10	Two Hundred SeventyFour Paise Ten Only
109	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,)Complete as per specifications and the directions of the Engineer-in-charge 25mm nominal OD pipes	m	90.00	341.76	Three Hundred FourtyOne Paise SeventySix Only
110	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, Complete as per specifications and the directions of the Engineer-in-charge t. Short point upto 3m	Point	250.00	216.00	Two Hundred Sixteen Only

	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block,Complete as per specifications and the directions of the Engineer-in-charge . Medium point above 3m - 6m	Point	175.00	297.00	Two Hundred NinetySeven Only
112	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, adhesive paste etc, and running before concreting and slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire wherever necessary 19/20mm dia, 2mm thick Complete as per specifications and the directions of the Engineer-in-charge	Rm	800.00	43.20	FourtyThree Paise Twenty Only
113	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, adhesive paste etc, and running before concreting and slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire wherever necessary 25mm dia, 2mm thick Complete as per specifications and the directions of the Engineer-in-charge	Rm	1400.00	57.24	FiftySeven Paise TwentyFour Only
114	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, adhesive paste etc, and running before concreting and slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire wherever necessary 32mm dia, 2mm thick Complete as per specifications and the directions of the Engineer-in-charge	Rm	300.00	89.64	EightyNine Paise SixtyFour Only

	PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 19/20mm dia, 2mm thick Complete as per specifications and the directions of the Engineer-in-charge	Mtr	250.00	55.08	FiftyFive Paise Eight Only
	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. 25mm dia, 2mm thick Complete as per specifications and the directions of the Engineer-in-charge	Mtr	800.00	58.32	FiftyEight Paise ThirtyTwo Only
117	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.32mm dia, 2mm thick Complete as per specifications and the directions of the Engineer-in-charge	Mtr	450.00	87.48	EightySeven Paise FourtyEight Only
118	Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall 1 - 3 Way Complete as per specifications and the directions of the Engineer-in-charge	Each	200.00	102.60	One Hundred Two Paise Sixty Only
119	Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall 4 - 5 Way Complete as per specifications and the directions of the Engineer-in-charge	Each	175.00	113.40	One Hundred Thirteen Paise Fourty Only
120	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 . 6AMP 3/5 and Switch Complete as per specifications and the directions of the Engineer-in-charge	Each	250.00	142.56	One Hundred FourtyTwo Paise FiftySix Only
121	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiring as per IS 1293 Complete as per specifications and the directions of the Engineer-in-charge	Each	100.00	162.00	One Hundred SixtyTwo Only

	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 16Amps Combined switch and socket with indication Complete as per specifications and the directions of the Engineer-in-charge	No	75.00	209.52	Two Hundred Nine Paise FiftyTwo Only
123	Electronic stepped regulator. Complete as per specifications and the directions of the Engineer-in-charge	No	166.00	162.00	One Hundred SixtyTwo Only
124	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 1.5sqmm Complete as per specifications and the directions of the Engineer-in-charge	Rm	625.00	21.65	TwentyOne Paise SixtyFive Only
125	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 2.5sqmm Complete as per specifications and the directions of the Engineer-in-charge	Rm	1600.00	34.56	ThirtyFour Paise FiftySix Only
126	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements. 4sqmm Complete as per specifications and the directions of the Engineer-in-charge	Rm	950.00	48.60	FourtyEight Paise Sixty Only
127	Supplying and fixing Metal Fan Box with Round Hook Complete as per specifications and the directions of the Engineer-in-charge	Nos	166.00	91.80	NinetyOne Paise Eighty Only
128	Supplying and fixing of Group A, regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosute 12 way SP & N Complete as per specifications and the directions of the Engineer-in-charge	Nos	30.00	1306.80	One Thousand Three Hundred Six Paise Eighty Only
129	Supply and fixing miniature circuit breakers on the existing MCB distribution boards using necessary fixing meterials and "C" type curve, Indiator ON/OFF energy cross -3 with as required confirming to IEC 60898 5-32 AMPS DP Complete as per specifications and the directions of the Engineer-in-charge	Nos	15.00	981.72	Nine Hundred EightyOne Paise SeventyTwo Only

130	Supplying, fixing and wiring earth electrode for grounding conduits , I.C. cutouts and others equipments on the meter board using 40mm dia 2.90mm long buried in a pit.. the pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit ect, is to be established through GI wire of size as ISI specification 7.3.3 of IS 732 using 12mm dia bolt, nut, washers and check nuts ect... the pipe shall have 16 through holes of 122mm dia, Complete as per specifications and the directions of the Engineer-in-charge	No	2.00	3239.68	Three Thousand Two Hundred ThirtyNine Paise SixtyEight Only
131	Supplying and running of GI/ copper strips for grounding connections, using necessary fixing materials as required. 25 x 3mm G.I strip Complete as per specifications and the directions of the Engineer-in-charge	Mtr	80.00	81.00	EightyOne Only
132	Supplying of .....feet - PVC Batten with integrated LED tube .....W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. LED light fighting 1 x4'- 20/22 w Complete as per specifications and the directions of the Engineer-in-charge	Each	350.00	405.00	Four Hundred Five Only
133	upplying & fixing retrofit type -PL- LED Lamp .....W LED linear source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per watt, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition. 8-9 Watts Complete as per specifications and the directions of the Engineer-in-charge	Each	100.00	378.00	Three Hundred SeventyEight Only
134	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system 48" sweep (1200mm) Complete as per specifications and the directions of the Engineer-in-charge	Each	166.00	2257.20	Two Thousand Two Hundred FiftySeven Paise Twenty Only

135	Supply Exhaust fan if 1440 RPM of (12") size with Bracket blades complete for light duty suitable to -operate on 230V 50Hz, supply Complete as per specifications and the directions of the Engineer-in-charge	Each	35.00	1296.00	One Thousand Two Hundred NinetySix Only
136	Supplying and fixing Trivector meter suitable for operation LT operation and CT operated meter in polycarbonate body in class 0.5accuracy as per IS 14697 and completely wired Complete as per specifications and the directions of the Engineer-in-charge	Each	2.00	4080.24	Four Thousand Eighty Paise TwentyFour Only
137	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C (48/6.36) Complete as per specifications and the directions of the Engineer-in-charge	Each	2.00	477.36	Four Hundred SeventySeven Paise ThirtySix Only
138	Supplying, fixing and wiring 50/5 to 1000/5Amps 5VA burden Current Transformer. Class 0.5 accuracy with Tape Wound (48/6.32) Complete as per specifications and the directions of the Engineer-in-charge	Each	2.00	777.60	Seven Hundred SeventySeven Paise Sixty Only
139	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2Cx 10Sq.mm wire armoured) Confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheated armoured cable with specified IS-1554 Part-1:1998 & confirming to the attached GTP of GROUP-A. (62/7.4) 3.5 core 240 sqmm Complete as per specifications and the directions of the Engineer-in-charge	Mtr	50.00	1220.40	One Thousand Two Hundred Twenty Paise Fourty Only
140	Supplying of 1.1 KV LT UG cable having aluminium . conductor PVC insulated, extruded inner sheathed, galvanised, steel strip (except 2Cx 10Sq.mm wire armoured) Confirming to IS-3975:1990 (No. of Strip indicated in GTP) & extruded PVC outer sheated armoured cable with specified IS-1554 Part-1:1998 & confirming to the attached GTP of GROUP-A. (62/7.4) 3.5 core 25 sqmm Complete as per specifications and the directions of the Engineer-in-charge	Mtr	20.00	194.40	One Hundred NinetyFour Paise Fourty Only
141	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. (68/7.8) 25 sqmm to 75 sqmm Complete as per specifications and the directions of the Engineer-in-charge	Mtr	20.00	16.74	Sixteen Paise SeventyFour Only
142	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. In existing trench/duct. (68/7.8) 300 sqmm 400 Sqmm Complete as per specifications and the directions of the Engineer-in-charge	Mtr	50.00	34.56	ThirtyFour Paise FiftySix Only
143	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.(64/7.21) 25 sqmm to 75 sqmm Complete as per specifications and the directions of the Engineer-in-charge	Each	4.00	22.24	TwentyTwo Paise TwentyFour Only

144	Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes.(64/7.21) 300 sqmm 400 Sqmm Complete as per specifications and the directions of the Engineer-in-charge	Each	4.00	365.04	Three Hundred SixtyFive Paise Four Only
145	Supplying and fiixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) (69/7.14) 50mm dia Complete as per specifications and the directions of the Engineer-in-charge	Each	4.00	275.40	Two Hundred SeventyFive Paise Fourty Only
146	Supplying and fiixing of heavy duty cable glands suitable for UG cable of 1.1 KV class (metal only) (69/7.14) 70mm dia Complete as per specifications and the directions of the Engineer-in-charge	Each	4.00	535.68	Five Hundred ThirtyFive Paise SixtyEight Only
147	Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidating. (68/7.9) In Hard Soil Complete as per specifications and the directions of the Engineer-in-charge	Mtr	50.00	114.48	One Hundred Fourteen Paise FourtyEight Only
148	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. (68/7.12) 40mm Complete as per specifications and the directions of the Engineer-in-charge	Mtr	30.00	372.60	Three Hundred SeventyTwo Paise Sixty Only
149	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. (68/7.12) 65mm Complete as per specifications and the directions of the Engineer-in-charge	Mtr	30.00	631.80	Six Hundred ThirtyOne Paise Eighty Only

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.